

AGS MAINTENANCE/MODIFICATIONS/REPAIRS

SEPTEMBER 30, 1998 to October 1, 1998 SHUTDOWN

R. Zaharatos - Sept. 29, 1998 Rev.1

SHUTDOWN SCHEDULE

Sept. 30th

0700	HEP off. Set all equipment to off.
0730	Detailed HP survey of Linac for Tank #8 repair Begin LOTO of Booster Ring for Controlled Access Make certain all equipment cooled by Tower 1 and RF/MG has been secured
0800	LINAC tanks area on Restricted Access Cooling Towers 1 and RF/MG off for cleaning
0830-1300	Shutdown of 3J42 Substation to repair splice (see effected areas list by C. Magoulas)
0830	Begin Hi-Pot of Booster Ring Begin AGS Ring Restricted Access LOTO
1000	AGS - detailed HP survey plus specific survey requests. SEB and U Line access as required
1100	AGS Ring switched to Restricted Access
1500	Secure Booster Ring and remove LOTO
1630	Booster equipment turn-on as required
1930	Secure AGS Ring and remove LOTO
2200	Begin AGS equipment turn-on/checkout

Oct. 1st

0800	Booster and AGS equipment turn-on continues Linac Tank #8 conditioning continues
1200??	AGS Set-up when Linac is ready to deliver beam

PRIMARY JOBS (Jobs Closeout Status - 10/1/98)

C - Complete IP - In-process Can - Cancelled RS - Reschedule

AGS RING SYSTEMS

C	1. Repair and clean RF/MG Cooling Tower
C	2. Clean Cooling Tower 1
C	3. Inspect Siemen's brushes
C	4. Repair splice in feeder cable from Substation 3J42 (power shutdown effects G18 Hse., old H10 Hse., Siemen's royal 3J42-3, and EEA royal 3J42-1 for DD15, D6Q6, D6Q9)
C	5. Repair ground monitoring system -- four units in "F" have large dc offsets
C	6. Test all RF PA water flow interlocks. (8 Failed).
C	7. Inspect A5 PFN

BOOSTER RING SYSTEMS

- C** 1. Hi-Pot Main Dipoles
- C** 2. Inspect F3 PFN
- CAN** 3. Repair BPM's

LINAC SYSTEMS

- C** 1. Investigate and Repair arcing problem in Tank #8

SEB

- C** 1. Replace C3D4 Magnet
- C** 2. B1/B2 turn-on/checkout
- RS** 3. Six month cycle Access Control Systems testing (B1, MPS, A2, C4, C6C8, D6)
- C** 4. Investigate CSEC calibration

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Access Controls: D. Meany (Ext. 5329, [0361]), A. McGeary (Ext. 2053, [0554])

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1	SWYD	2 hr.	Locksmiths to adjust SWYD D/S gate	Locksmiths	Yes
RS 2	Testing B1	2 hr.	6 Months testing of B1	Target Desk	No
RS 3	Testing MPS	2 hr.	6 Months testing of MPS		No
RS 4	Testing A2	2 hr.	6 Months Testing of A2		No
RS 5	Testing C4	2 hr.	6 Months Testing of C4		No
RS 6	Testing C6C8	2 hr.	6 Months Testing of C6C8		No
RS 7	Testing D6	2 hr.	6 Months Testing of D6		No
RS 8	A1A3 Logic Box	1/2 hr.	Modify A1A3 as per change 98-56		No
C 9	VPGE1	2 hrs.	Repair electric strike operation	Locksmiths	No
C 10	V1, Muon, U up/dn.	4 hr.	PASS testing		No

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Beam Components/Instrumentation: D. Lehn (Ext. 4542, [4276], T. Russo (Ext. 7330 [4201])

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1		8 - 10 hours	Condition separators if Possible, because of C3D4 magnet repair. D-Line C-Line (See below for Instrumentation repairs)		
			C-Line will need conditioning after roof is installed.		
			INSTRUMENTATION		
C 1	AGS Ring	4 hr	Damper Amplifier - Front end electronics @ F20 - Replace with spare and test.	HP-F20 Area	
C 2	AGS Ring	10 mn	Replace light for F10 waterflow video - adjust as necessary.	HP-F10 Area	
C 3	Switchyard	1 hr	Replace AF238 camera.	HP	
IP 4	B-Line	1 hr	Replace BF448 camera.	HP	
C 5	AGS Complex	8 hr	AGS Vacuum System - 1) Repair Ion Pump Power Supplies - H8, H9, I14, G14, G15, H2, H3, H20A, J12. (C) 2) H Sector Aux chassis - repair of pump controls. May need ring entry.	HP	
C 6	AGS Ring	30 mn	Repair CF100 camera setup	HP	
7	Switchyard	2 hr	Repair the following video setups - (IC) CF223, (IP) BF387, (IP) CF367, (C) DF215, (P) CF332		
IP 8	C-Line	10 mn	Replace the CF440 camera	HP	

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Maintenance Support: R. Zaharatos (Ext. 7205 [4281], A. McNerney (Ext. 7693 [4222]

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1	AGS Ring	3	Install additional emergency lights in H to I super periods.		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

**GROUP: Mechanical Services: J. deBoer (Ext. 4668 [4250], E. Dale (Ext. 7943 [0124],
B. Abel (Ext. 5711 [7119]**

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1	TOWER 1	6 mhrs.	Drain, Clean tower and strainer	None	
C 2	RFMG Tower 928	12 mhrs.	Drain, Clean tower and strainer	None	
C 3	RFMG Tower 928	4 mhrs.	Check and repair controls for over the top valve.	None	
RS 4	TOWER 4 912A	2 mhrs.	Replace and repack pump packing on Tower Pump No. 12	None	
C 5	RFPA System 913	?	Check into flow switch problems and remove problem flow switch on KL and replace with new.	RF Group	
C 6	SEM EVAPS 928	6 mhrs.	Drain and clean Evap coolers 1,2&3 and perform some repairs (leaking spray pump manifold on Evap No.1)	None	
C 7	Fast Pulse Quad System	8 mhrs.	Hook up cooling lines to the Gama T.R. power supply at E-10 House and remove temporary hose lines from D-18 House.	Pulsed Power Group	
C 8	Booster Rf	4 mhrs.	Replace Rf tube at A3 Band II PA	RF Group	

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Operations Support: R. Zaharatos (Ext. 7205 [4281], A. McNerney (Ext. 7693 [4222]

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1	AGS Ring	6	Repair BPM Monitors in "F" checkout entire system.		
CAN 2	Booster		Repair Failed BPM's.		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: AGS Power Distribution: D. Bastedo (Ext. 2555 [7654], A. Soukas (Ext. 4735 [0310])

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1	W. Side O.S. Cable Tray 98-09-11	4	Substation 3J42 - 480 volt Feeder repair Clancy/Bernier (shutdown)	PE Line Crew	No
C 2	AGS Ring 98-08-07	8	AGS Ring - add emergency lights Bernier	None	No
C 3	H10 House 912 N. Balcony	8	Move H10 Ups to emergency Power (shutdown)	None	No

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Power Supply: M. Bannon (Ext. 7704 [4224], I. Marneris (Ext. 7027 [4255])

For Maintenance Period September 30, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
C 1	Siemens		Clean Motor Brush rigging area		
C 2	Siemens		Inspect and replace brushes on Motor Gen. & Tach. that need to be changed (record in book).		
C 3	Siemens		Inspect that all fans are running on Siemens Transformers.		
C 4	Booster		Inspect Station 1 resistor cabinet for over temp. damage in Booster.		
C 5	Booster	2	Hi-Pot Main Dipoles		

4 AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: RF – N. Laloudakis (Ext. 7177, 7417 [4261], A. Zaltsman (Ext. 2967 [4259])

For Maintenance Period September 7, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
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AGS

C 1	AGS Ring		Check and or replace water flow switches.	Pump Room	Yes
C 2	AGS Ring		Replace air tube (tygon) for feedback amplifies.	No	Yes
C 3	AGS Ring		Replace KL feedback amplifier.	No	Yes
C 4	AGS Ring		Check KEK (L10) Cavity and PA	No	Yes
C 5	AGS Ring		Measure Height of Thomson Tube	Designer	Yes
C 6	Bldg. 929		Modify Tuning Power Supplies	No	No

BOOSTER

C 1	Booster Ring		Replace one tube in A3 Band II PA.	Pump Room	Yes
C 2	Booster Ring		Measure A6 PA tube compartment for future modifications	Designer	Yes
C 3	Bldg. 914		Check all ENT's	No	No

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Vaccum – S. Gill (Ext. 4627 [4164], M. Mapes (Ext. 2841 [4277]

For Maintenance Period September 30, 1998 Shutdown

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AGS					
C/RS	1	AGS	All but 6 secor valves air lines have been modified to brass.		
C	2	AGS Ring	Possible replace the rough pump (NOT the turbo) at A-7.		
BOOSTER					
C	1		Replaced the BT 134 1.G Controller @ Booster.		